

CLAIMS

What Is Claimed Is:

- 1 1. An LED module comprising:
2 a circuit board secured to a base containing at least two electrical leads;
3 the circuit board having an LED and at least two contact teeth whereby
4 each contact tooth makes electrical contact with one of the at least two
5 electrical leads.

- 1 2. The LED module of Claim 1 where the at least two electrical
2 leads further comprise a non-conductive sheath and where each contact tooth
3 pierces the non-conductive sheath to make electrical contact with one of the at
4 least two electrical leads.

- 1 3. The LED module of Claim 1 where a gasket with a thickness
2 covers a side of the circuit board and where the at least two contact teeth
3 traverse the thickness of the gasket to make electrical contact with the at least
4 two electrical leads.

- 1 4. The LED module of Claim 1 where the base further comprises a
2 set of snap tabs whereby the circuit board is secured to the base by snapping the
3 circuit board onto the base by the set of snap tabs.

- 1 5. The LED module of Claim 1 where the circuit board is coated in
2 a protective sealant.

- 1 6. An LED module comprising:
2 a circuit board secured to a base for containing at least two electrical
3 leads having non-conductive sheathes;
4 the circuit board having an LED and at least two contact teeth whereby
5 each contact tooth is sufficiently sharp to pierce the non-conductive sheath of
6 an electrical lead and make electrical contact with the electrical lead.

1 7. The LED module of Claim 6 where a gasket with a thickness
2 covers a side of the circuit board and where the at least two contact teeth
3 traverse the thickness of the gasket.

1 8. The LED module of Claim 6 where the base further comprises a
2 set of snap tabs whereby the circuit board is secured to the base by snapping the
3 circuit board onto the base by the snap tabs.

1 9. The LED module of Claim 6 where the base has two open ends
2 and where at least two electrical leads can traverse the base through the open
3 ends.

1 10. A replaceable LED module comprising:
2 a circuit board removably secured to a base by a set of snap tabs on the
3 base; the base further having two open ends and containing two electrical leads
4 that traverse the base through the open ends;
5 each electrical lead comprises a non-conductive sheath;
6 the circuit board having an LED and two contact teeth whereby each
7 contact tooth pierces the non-conductive sheath of one electrical lead and
8 makes electrical contact with the electrical lead.

1 11. The replaceable LED module of Claim 10 further comprising a
2 protective gasket with a thickness covering a side of the circuit board where the
3 contact teeth traverse the thickness of the gasket.

1 12. The replaceable LED module of Claim 10 where the circuit board
2 further comprises a first support length and a second support length; where the
3 first support length differs in length from the second support length; and where
4 the set of snap tabs further comprise a first set of snap tabs separated by a first
5 distance corresponding to the first support length and a second set of snap tabs
6 separated by a second distance corresponding to the second support length.